

Notice of Allowability

Application No.

09/614,141

Examiner

Michael B. Holmes

Applicant(s)

BERGMAN ET AL.

Art Unit

2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to November 22, 2004.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ The drawings filed on 22 November 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |



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P.O. Box 1450, Alexandria, Virginia 22313-1450 – www.USPTO.GOV

Examiner's Detailed Office Action

1. Claims 1-18 are allowed.

REASONS FOR ALLOWANCE

2. The following is an Examiner's statement for reasons for allowance:
3. The closest prior art *Chakrabarti et al.* (USPN 6,389,436), *Straforini et al.* (USPN 6,092,059), and *Powers et al.* (USPN 6,513,027) do not teach or render obvious applicant's claimed invention. In particular, as pointed out below, the prior art lacks certain features and the combination as specified in the respective claims.
4. With regards to claim 1 *Chakrabarti et al.*, *Straforini et al.*, and *Powers et al.* do not disclose ... using the classifier associated with the first set, trained on examples from the first set, to classify the second set thereby generating classification results for the second set of labels, and using the classifier associated with the second set, trained on examples from the second set, to classify the first set thereby generating classification results for the first set of labels; and generating label association rules based on the classification results for the first set of labels and the classification results for the second set of labels.

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5. With regards to claim 9 *Chakrabarti et al.*, *Straforini et al.*, and *Powers et al.* do not disclose ... using the classifier associated with the first set, trained on examples from the first set, to classify the second set thereby generating classification results for the second set of labels, and use the classifier associated with the second set, trained on examples from the second set, to classify the first set thereby generating classification results for the first set of labels; and generating label association rules based on the classification results for the first set of labels and the classification results for the second set of labels.

6. With regards to claim 17 *Chakrabarti et al.*, *Straforini et al.*, and *Powers et al.* do not disclose ... using the classifier associated with the first set, trained on examples from the first set, to classify the second set thereby generating classification results for the second set of labels, and using the classifier associated with the second set, trained on examples from the second set, to classify the first set thereby generating classification results for the first set of labels; and generating label association rules based on the classification results for the first set of labels and the classification results for the second set of labels.

7. With regards to claim 18 *Chakrabarti et al.*, *Straforini et al.*, and *Powers et al.* do not disclose ... using the classifier associated with the first set, trained on examples from the first set, to classify the second set thereby generating classification results for the second set of labels, and using the classifier associated with the second set, trained on examples from the second set, to classify the first set thereby generating classification results for the first set of labels; and generating label association rules based on the classification results for the first set of labels and the classification results for the second set of labels.

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Correspondence Information

8. Any inquires concerning this communication or earlier communications from the examiner should be directed to Michael B. Holmes, who may be reached Monday through Friday, between 8:00 a.m. and 5:00 p.m. EST. or via telephone at (571) 272-3686 or facsimile transmission (571) 273-3686 or email Michael.holmesb@uspto.gov.

If you need to send an Official facsimile transmission, please send it to (703) 746-7239.

If attempts to reach the examiner are unsuccessful the Examiner's Supervisor, Anthony Knight, may be reached at (571) 272-3687.

Hand-delivered responses should be delivered to the Receptionist @ (Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22313), located on the first floor of the south side of the Randolph Building.

Michael B. Holmes

Patent Examiner

Artificial Intelligence

Art Unit 2121

United States Department of Commerce

Patent & Trademark Office

Thursday, March 10, 2005

MBH



Anthony Knight
Supervisory Patent Examiner
Group 3600